Journal of Geochemical Exploration, 49 (1993) 299–300
Elsevier Science Publishers B.V., Amsterdam

Contents Volume 49 (1993)

Special Issue

Geochemical Mapping, edited by P.H. Davenport

Introduction 3

Geochemical mapping — progress in Greenland
A. Steenfelt 5
National geochemical mapping and environmental geochemistry — progress in China
X. Xie and T. Ren 15
Environmental aspects of the regional geochemical survey in the southern part of East Germany
M. Birke and U. Rauch 35
Geochemical mapping of stream water for environmental studies and mineral exploration in the UK
P.R. Simpson, W.M. Edmunds, N. Breward, J.M. Cook, D. Flight, G.E.M. Hall and T.R. Lister 63
Capabilities of production-oriented laboratories in water analysis using ICP-ES and ICP-MS
G.E.M. Hall 89
Geochemical mapping employing active and overbank stream-sediment, lake sediment and lake water in two areas of Newfoundland
J.W. McConnell, C. Finch, G.E.M. Hall and P.H. Davenport 123
Comparisons of geochemical patterns obtained from stream sediment, stream organics and till in the Nordkalott project in Fennoscandia
A. Steenfelt 145
Simulation of regional geochemical survey maps at variable sample density
F.M. Fordyce, P.M. Green and P.R. Simpson 161
Geochemical mapping in Newfoundland and Labrador: its role in establishing geochemical baselines for the measurement of environmental change
P.H. Davenport, T.K. Christopher, S. Vardy and L.W. Nolan 177
Some notes on the importance of airborne gamma-ray spectrometry in International Geochemical Mapping
A.G. Darnley 201

Research papers
Groundwater sampling methodology for mineral exploration in glaciated terrain using reverse circulation overburden drilling
D.R. Boyle, D.L. Cox and R.R. Vandebeek 213
Fluid evolution and Au–Cu genesis along a shear zone: a regional fluid inclusion study of shear zone-hosted alteration and gold and copper mineralization in the Kautokeino greenstone belt, Finnmark, Norway
D.C. Ettner, A. Bjørlykke and T. Andersen 233

Discrimination of topaz rhyolites by major-element composition: a statistical routine for geochemical exploration
B.F. Ponce, N.E. Pingitore, Jr., J.M. Hoffer, E.Y. Anthony and A. Woronow 269

Short communication
The possible occurrence of placer gold in areas lacking quartz veins in Egypt
N.S. Botros 287

Book reviews
Regolith Exploration in Tropical and Sub-Tropical Terrains, by C.R.M. Butt and H. Zeegers (Editors) — A.W. Rose 291
Geochemical Atlas of Finland. Part 2: Tills, by T. Koljonen (Editor) — E.M. Cameron 293

Guide for Authors 295

Contents Volume 49 299